

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A plasma display device provided with a plasma display panel comprising a plurality of columns of discharge cells having one of a single color and multiple colors, and a phosphor layer disposed in each of the discharge cells, the phosphor layer having a color corresponding to the each discharge cell for emitting light when excited by ultraviolet rays, wherein

the phosphor layer includes a green color phosphor, the green color phosphor comprising at least one kind selected from among phosphor materials defined by any one of the formulas selected from general formulae of

formula $M_{1-a}(Ga_{1-x}Al_x)_2O_4:Mn_a$ (where "M" denotes one of Zn, Mg, Ca and Sr, $0.01 \leq a \leq 0.06$, and $0.1 \leq x \leq 1.0$),

formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$),

formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Ce_y, Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$),

formula $(Y_{1-a-y}Gd_a)BO_3:Tb_y$ (where $0 \leq a \leq 1$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$),
and

formula $(Y_{1-a-y}Gd_a)_3(Ga_{1-x}Al_x)_5O_{12}:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$).

2. (Currently Amended) A plasma display device provided with a plasma display panel comprising a plurality of columns of discharge cells having one of a single color and multiple colors, and a phosphor layer disposed in each of the discharge cells, the phosphor layer having a color corresponding to the each discharge cell for emitting light when excited by ultraviolet rays, wherein

the phosphor layer is a mixed phosphor and includes a green color phosphor, the green color phosphor being a mixed phosphor comprising: a mixture of a phosphor material defined by a general formula of

a phosphor of formula $M_{1-a}(Ga_{1-x}Al_x)_2O_4:Mn_a$ (where "M" denotes one of Zn, Mg, Ca and Sr, $0.01 \leq a \leq 0.06$, and $0.1 \leq x \leq 1.0$), and

a phosphor of formula and one of phosphor materials defined by general formulae of $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$), and

a phosphor of formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Ce_y, Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$).

3. (Currently Amended) A plasma display device provided with a plasma display panel comprising a plurality of columns of discharge cells having one of a single color and multiple colors, and a phosphor layer disposed in each of the discharge cells, the phosphor layer having a color corresponding to the each discharge cell for emitting light when excited by ultraviolet rays, wherein

the phosphor layer is a mixed phosphor and includes a green color phosphor, the green color phosphor being a mixed phosphor comprising: a mixture of a phosphor material defined by a general formula of

a phosphor of formula $M_{1-a}(Ga_{1-x}Al_x)_2O_4:Mn_a$ (where "M" denotes one of Zn, Mg, Ca and Sr, $0.01 \leq a \leq 0.06$, and $0.1 \leq x \leq 1.0$) and

a phosphor of formula another phosphor material defined by a general formula of $(Y_{1-a-y}Gd_a)BO_3:Tb_y$ (where $0 \leq a \leq 1$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$).

4. (Currently Amended) A plasma display device provided with a plasma display panel comprising a plurality of columns of discharge cells having one of a single color and multiple colors, and a phosphor layer disposed in each of the discharge cells, the phosphor layer having a color corresponding to the each discharge cell for emitting light when excited by ultraviolet rays, wherein

the phosphor layer is a mixed phosphor and includes a green color phosphor, the green color phosphor being a mixed phosphor comprising: a mixture of a phosphor material defined by a general formula of

a phosphor of formula $M_{1-a}(Ga_{1-x}Al_x)_2O_4:Mn_a$ (where "M" denotes one of Zn, Mg, Ca and Sr, $0.01 \leq a \leq 0.06$, and $0.1 \leq x \leq 1.0$) and

another phosphor material defined by a general formula of a phosphor of formula $(Y_{1-a-y}Gd_a)_3(Ga_{1-x}Al_x)_5O_{12}:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$).

5.-6. (Cancelled)

7. (Currently Amended) A plasma display device provided with a plasma display panel comprising a plurality of columns of discharge cells having one of a single color and multiple colors, and a phosphor layer disposed in each of the discharge cells, the phosphor layer having a color corresponding to the each discharge cell for emitting light when excited by ultraviolet rays, wherein

the phosphor layer includes any of a green color phosphor, a blue color phosphor and a red color phosphor,

the green color phosphor being a mixed phosphor comprising: comprises one of

a spinel system of formula $M_{1-a}(Ga_{1-x}Al_x)_2O_4:Mn_a$ (where "M" is at least one of Ca and Sr, $0.01 \leq a \leq 0.06$, and $0.1 \leq x \leq 1.0$), or

a phosphor of yttria system comprising formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_2:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$), and

formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_2:Ce_y, Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$), and

formula $(Y_{1-a-y}Gd_a)BO_3:Tb_y$ (where $0 \leq a \leq 1$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$, and

formula $(Y_{1-a-y}Gd_a)_3(Ga_{1-x}Al_x)_5O_{12}:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$), or

a spinel system of formula $M_{1-a}(Ga_{1-x}Al_x)_2O_4:Mn_a$ (where "M" is at least one of Ca and Sr, $0.01 \leq a \leq 0.06$, and $0.1 \leq x \leq 1.0$), and

a phosphor of yttria system comprising formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$), and

formula $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Ce_y, Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.1$, $0.08 \leq 1-a-y \leq 0.98$), and

formula $(Y_{1-a-y}Gd_a)BO_3:Tb_y$ (where $0 \leq a \leq 1$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$, and

formula $(Y_{1-a-y}Gd_a)_3(Ga_{1-x}Al_x)_5O_{12}:Tb_y$ (where $0 \leq a \leq 1$, $0.1 \leq x \leq 1.0$, $0.02 \leq y \leq 0.4$, $0.08 \leq 1-a-y \leq 0.98$), and

the blue color phosphor is a phosphor of $BaMgAl_{10}O_{17}:Eu$ or $BaSrMgAl_{10}O_{17}:Eu$, and

the red color phosphor is a phosphor of $Y_2O_3:Eu$ or $(Y, Gd)BO_3:Eu$, a group-phosphor, a yttria-group-phosphor and a mixture of the spinel-group-phosphor and the yttria-group-phosphor,

the blue color phosphor comprises one of phosphor materials of $Ba-Mg-Al_{10}O_{17}:Eu$ and $Ba-Sr-Mg-Al_{10}O_{17}:Eu$, and

the red color phosphor comprises one of phosphor materials of $Y_2O_3:Eu$ and $(Y, Gd)BO_3:Eu$,

8.-10. (Cancelled)

11. (Previously Presented) The plasma display device according to claim 2, wherein values "a", "x" and "y" in any of the general formulae of $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Tb_y$ and $(Y_{1-a-y}Gd_a)(Ga_{1-x}Al_x)_3(BO_3)_4:Ce_y, Tb_y$ are within ranges of $0 \leq a \leq 1$, $0.1 \leq x \leq 1$ and $0.02 \leq y \leq 0.4$ respectively.